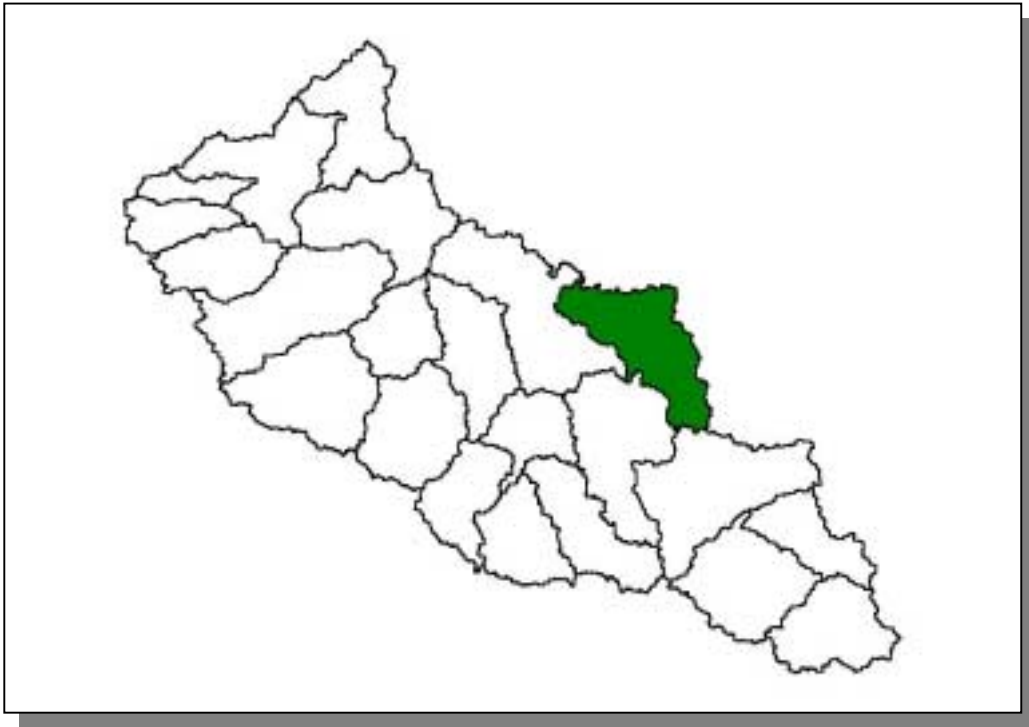
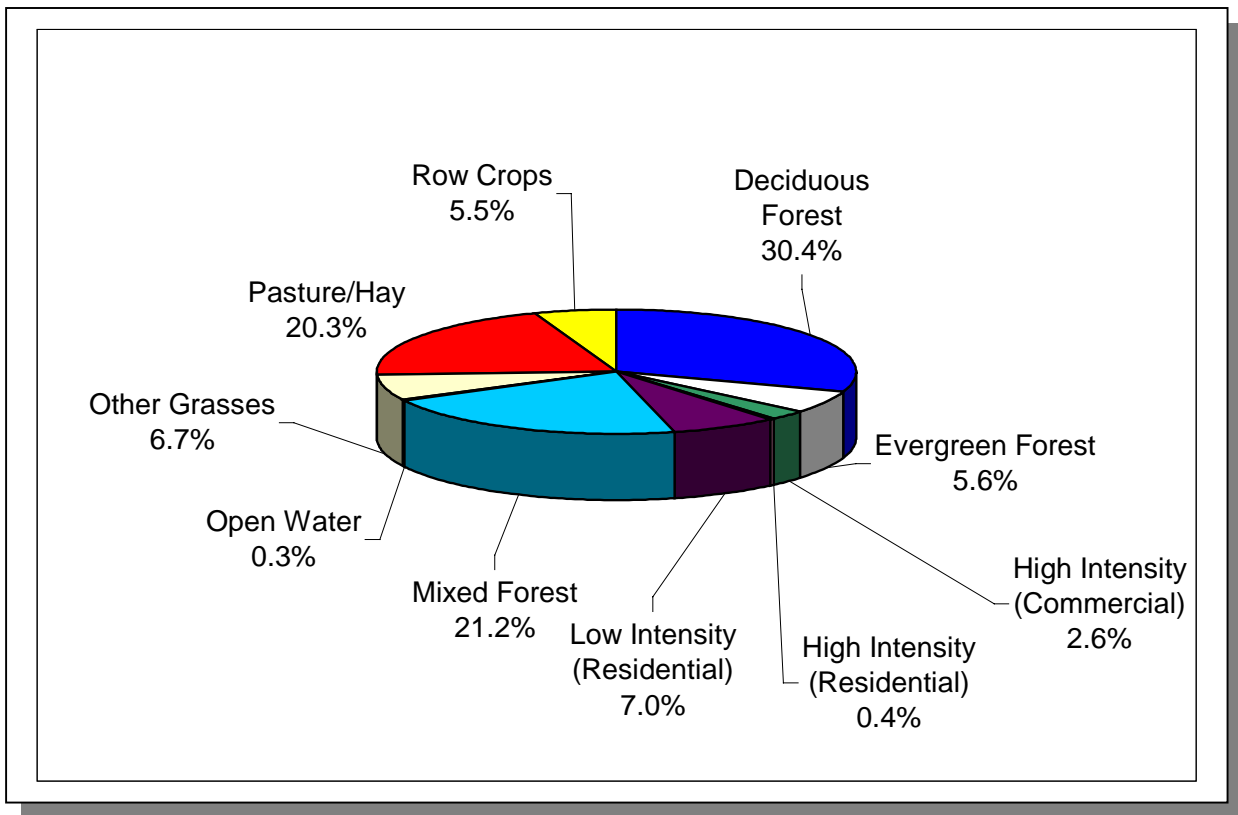


4.2.E. 05130204050.

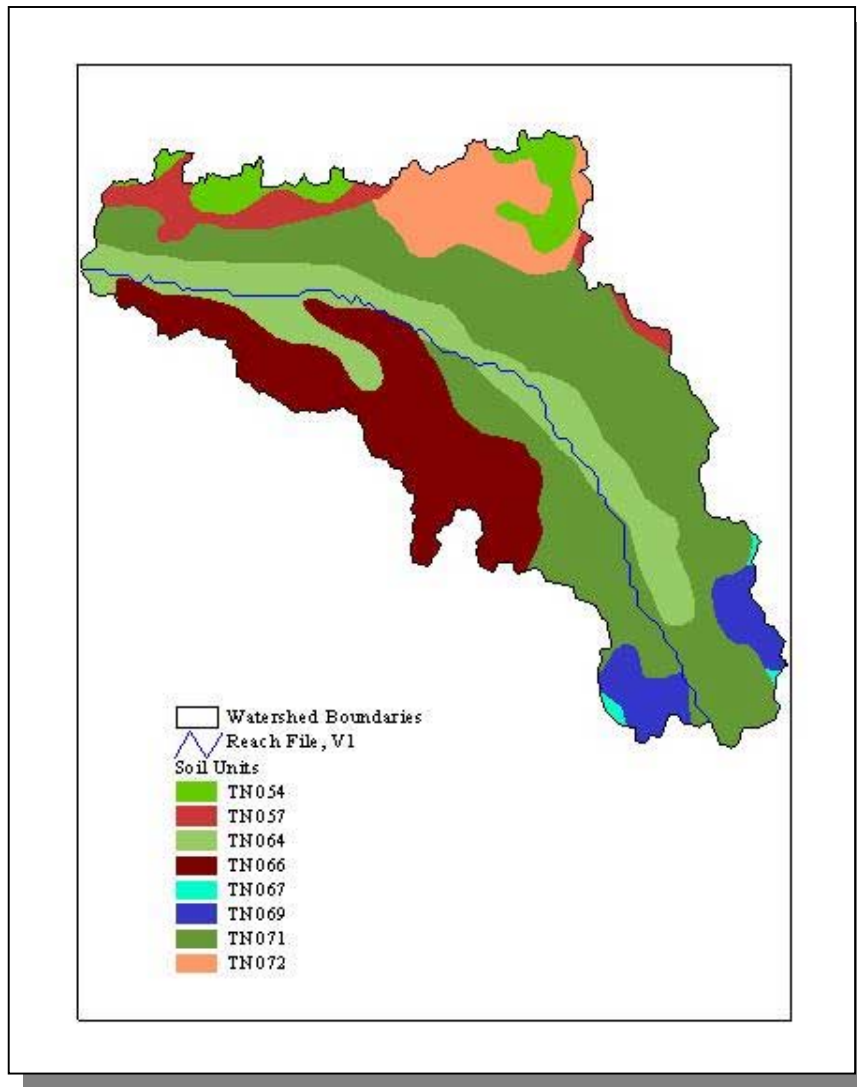


*Figure 4-32. Location of Subwatershed 05130204050. All Harpeth HUC-14 subwatershed boundaries are shown for reference.*

**4.2.E.i.** General Description.



**Figure 4-33. Land Use Distribution in Subwatershed 05130204050.** More information is provided in Harpeth-Appendix IV.



**Figure 4-34. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204050.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hr)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN057	0.00	C	1.14	5.01	Clayey Loam	0.33
TN064	7.00	C	1.19	5.82	Silty Loam	0.37
TN066	0.00	B	2.62	4.75	Loam	0.28
TN067	2.00	C	2.69	5.51	Silty Loam	0.35
TN069	0.00	C	2.06	5.36	Loam	0.34
TN071	0.00	C	2.37	5.70	Silty Loam	0.33
TN072	0.00	B	3.70	5.57	Loam	0.31

**Table 4-34. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130204050.** More information is provided in Harpeth-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Davidson	510,784	535,032	2.39	12,222	12,802	4.7
Williamson	81,021	111,453	5.95	4,817	6,626	37.6
<b>Totals</b>	<b>591,805</b>	<b>646,485</b>		<b>17,039</b>	<b>19,428</b>	<b>14.0</b>

*Table 4-35. Population Estimates in Subwatershed 05130204050.*

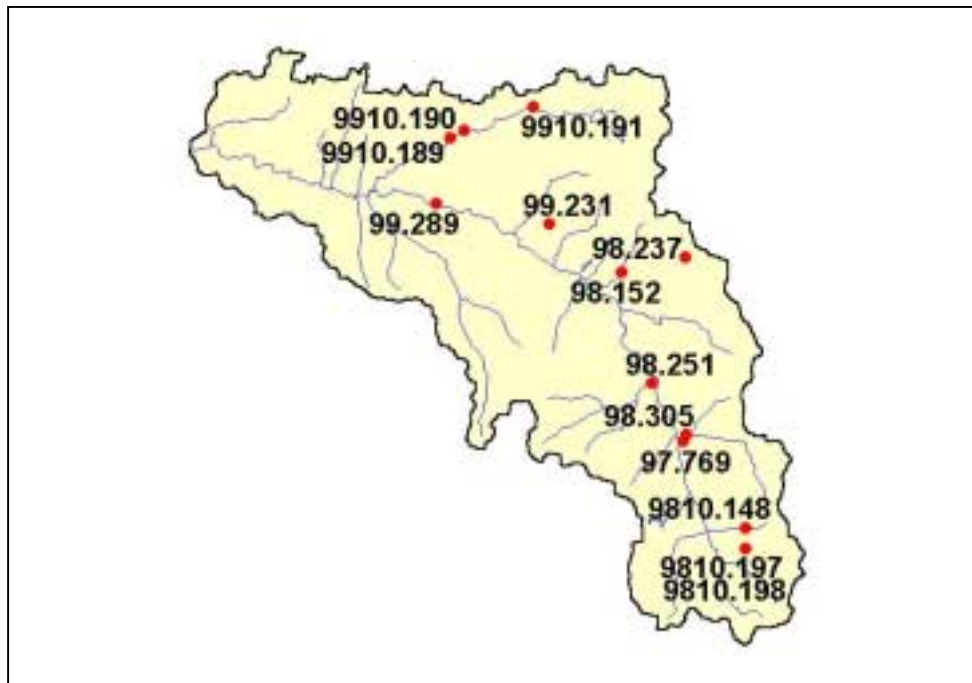
			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Brentwood	Williamson	16,392	5,514	3,195	2,319	0
Franklin	Williamson	20,098	8,748	8,458	282	8
Forest Hills	Davidson	4,240	1,601	625	976	0
Nashville-Davidson	Davidson	488,518	219,521	203,640	15,576	305
Oak Hill	Davidson	4,301	1,788	990	798	0
<b>Totals</b>		<b>533,549</b>	<b>237,172</b>	<b>216,908</b>	<b>19,951</b>	<b>313</b>

*Table 4-36. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 05130204050.*



**Figure 4-35. Location of Historical Streamflow Data Collection Sites in Subwatershed 05130204050.** More information is provided in Harpeth-Appendix IV.

**4.2.E.ii.** Point Source Contributions.



**Figure 4-36. Location of ARAP Sites (Individual Permits) in Subwatershed 05130204050.** More information is provided in Harpeth-Appendix IV.

**4.2.E.iii.** Nonpoint Source Contributions.

LIVESTOCK (COUNTS)					
Beef Cow	Milk Cow	Cattle	Chickens	Hogs	Sheep
1,219	102	2,599	<5	136	34

**Table 4-37. Summary of Livestock Count Estimates in Subwatershed 05130204050.**  
According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Davidson	108.7	108.1	2.3	9.7
Williamson	142.0	142.0	1.0	3.3
<b>Totals</b>	<b>250.7</b>	<b>250.1</b>	<b>3.3</b>	<b>13.0</b>

**Table 4-38. Forest Acreage and Annual Removal Rates (1987-1994) in Subwatershed 05130204050.**

CROPS	TONS/ACRE/YEAR
Soybeans (Row Crops)	6.46
Grass (Pastureland)	0.54
Non Agricultural Land Use	0.00
All Other Close Grown Cropland	2.26
Grass (Hayland)	0.10
Grass, Forbs, Legumes (Mixed Pasture)	0.45
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.32
Legume Grass (Hayland)	0.14
Forest Land (Grazed)	0.00
Corn (Row Crops)	5.39
Tobacco (Row Crops)	6.75
Wheat (Close Grown Cropland)	1.27
Legume (Hayland)	0.98
Other Cropland not Planted	6.46
Other Land in Farms	0.12
Conservation Reserve Program Land	0.12
Legume (Pastureland)	0.33

**Table 4-39. Annual Estimated Soil Loss in Subwatershed 05130204050.**